



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.3912

Job Sheet 190364



Part No: 647.3912

Job Qty: 6 pcs

Part Name: Breakaway Tip Wirestrike for Wire Strike



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/7/19

Job Tracking No:

Due Date: 2/28/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C2 SHEETS 1, 4, 7 IPP REV.A NEW ISSUE JFS 14/05/29 VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Bandsaw - 1	6 pcs	2/28/19	2/28/19	0.00	0.00	Bandsaw - 1		DJP 19-02-20 19/02/21
110	HAAS 4 Axis - B4B	6 pcs	2/28/19	2/28/19	0.00	7.07	HAAS - 1 - B4B	DAS 52	
							HAAS - 2 - B4B	J-89	
							HAAS - 3 - B4B		
							HAAS - 4 - B4B		
120	QC 2	6 pcs	2/28/19	2/28/19	0.00	0.00	QC 2 - 1		DAS 52 19/02/21 J-89
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 54		
							QC 2 - 56		
							QC 2 - 57		



Container No: S155278



Part: 647.3912

Job No: 190364

Serial No/Batch: S155278

Revision:

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 02/20/19

Plex 2/7/19 1:44 PM Dart.lajeunesse.marie

				QC 2 - 62	
				QC 2 - 63	
				QC 2 - 8	
				QC 2 - 66	
				QC 2 - 64	
130	QC 8	6 pcs	2/28/19	0.00 0.00	QC 8 - 12
					QC 8 - 14
					QC 8 - 17
					QC 8 - 20
					QC 8 - 25
					QC 8 - 3
					QC 8 - 32
					QC 8 - 33
					QC 8 - 35
					QC 8 - 39
					QC 8 - 4
					QC 8 - 44
					QC 8 - 45
					QC 8 - 49
					QC 8 - 58
					QC 8 - 8
					QC 8 - 9
					QC 8 - 68
					QC 8 - 67
					QC 8 - 1 (A)
					QC 8 - 47
140	Outsource - 4 - Anodize	6 pcs	2/28/19		ATG001-VC 10
150	Packaging 2-1 - Receive - B4B	6 pcs	2/28/19	0.00 0.00	Packaging 2 - 1 - B4B
					Packaging 2 - 2 - B4B
					Packaging 2 - 3 - B4B
					Packaging 2 - 5 - B4B
					Packaging 2 - 4 - B4B
					Packaging 2 - 6 - B4B
					Packaging 2 - 7 - B4B
					Packaging 2 - 8 - B4B
					Packaging 2 - 9 - B4B
					Packaging 2 - 10 - B4B
					Packaging 2 - 11 - B4B
					Packaging 2 - 12 - B4B
					Packaging 2 - 13 - B4B
					Packaging 2 - 14 - B4B
					Packaging 2 - 15 - B4B
					Packaging 2 - 16 - B4B
					Packaging 2 - 17 - B4B
					Packaging 2 - 18 - B4B
					Packaging 2 - 19 - B4B
					Packaging 2 - 20 - B4B
					Packaging 2 - 21 - B4B
					Packaging 2 - 22 - B4B
					Packaging 2 - 23 - B4B
					Packaging 2 - 24 - B4B
					Packaging 2 - 25 - B4B
					Packaging 2 - 26 - B4B
					Packaging 2 - 27 - B4B
					Packaging 2 - 28 - B4B
					Packaging 2 - 29 - B4B
					Packaging 2 - 30 - B4B
					Packaging 2 - 31 - B4B
					Packaging 2 - 32 - B4B

D.A 19-02-23

C7 19-02-28

MAR 11 2019

				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
155 QC 6	6 pcs	2/28/19	0.00 0.00	QC 6 - 42	
				QC 6 - 9	
				QC 6 - 68	DAS MAR 11 2019 68
				QC 6 - 61	9-89
180 Packaging 3-1 - Stock - B4B	6 pcs	2/28/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	CCK077 54 MAR 12 2019
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
190 QC 21 - SA	6 pcs	2/28/19	0.00 0.00	QC 21 - SA - 21	DAS
				QC 21 - SA - 70	MAR 13 2019 70
				QC 21 - SA - 53	9-89

Part Op 100 - (Bandsaw) Cut Blank at 20.000" *** ONE BLANK MAKES TWO PARTS***

Descriptions: 110 - (HAAS CNC Vertical Machine) 1-Machine per folio FB309 DWG REV: _____ FOLIO REV: _____ 2-
deburr and break all sharp edges

120 - (QC2- Inspect parts off machine FAI/FAIB)

130 - (QC8- Inspect parts - second check)

140 - Issue P/O to ATG : *Rec'd 2/28/19* 1- Black Anodize as per Dwg 647.3900 2- PRIME AS PER DWG, SEE NOTE #9
Certification of Conformity is required

150 - (Receive & Inspect for Damage & Mat'l Certs)

155 - (QC6- All purchased or subcontracted products)

180 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

190 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6B0.375X6.000	7075-T6 Plate 0.375" X 6.000" see mat'l M7075T6S 0.375" x 5.0040 ft (.834 ea)	100-Bandsaw	- 1	5124675

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Bandsaw - 1	M7075T6B0.375X6.000	5	0	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Lower Deflector	29.900degrees ± 0.500	30.400 29.400	29.9 angle	
2	Lower Deflector	0.753inches ± 0.005	0.758 0.748	0.753	
3	Lower Deflector	0.130inches ± 0.005	0.135 0.125	0.130	
4	Lower Deflector	45.000degrees ± 0.500	45.500 44.500	45° angle	
5	Lower Deflector	0.380inches ± 0.005	0.385 0.375	0.378	
6	Lower Deflector	0.753inches ± 0.005	0.758 0.748	0.753	
7	Lower Deflector	0.340inches + 0.000 - 0.002	0.340 0.338	0.339	
8	Lower Deflector	0.100inches ± 0.005	0.105 0.095	0.100	
9	Lower Deflector	45.000degrees ± 0.500	45.500 44.500	45° angle	
10	Lower Deflector	0.350inches + 0.000 - 0.002	0.350 0.348	0.349	
11	Lower Deflector	0.271inches ± 0.005	0.276 0.266	0.272	
12	Lower Deflector	0.705inches ± 0.005	0.710 0.700	0.705	
13	Lower Deflector	1.533inches ± 0.005	1.538 1.528	1.535	
14	Lower Deflector	0.749inches ± 0.005	0.754 0.744	0.750	
15	Lower Deflector	0.194inches + 0.005 - 0.001	0.199 0.193	0.194 diameter	
16	Lower Deflector	0.065inches ± 0.005	0.070 0.060	0.65	
17	Lower Deflector	0.133inches ± 0.005	0.138 0.128	0.133	
18	Lower Deflector	7.422inches ± 0.005	7.427 7.417	7.425	
19	Lower Deflector	0.177inches + 0.005 - 0.001	0.182 0.176	0.177 diameter	
20	Lower Deflector	0.915inches ± 0.005	0.920 0.910	0.915	
21	Lower Deflector	2.110inches ± 0.002	2.112 2.108	2.110	
22	Lower Deflector	4.220inches ± 0.002	4.222 4.218	4.220	
23	Lower Deflector	0.320inches ± 0.005	0.325 0.315	0.320	
24	Lower Deflector	33.400degrees ± 0.500	33.900 32.900	33.4 angle	
25	Lower Deflector	43.700degrees ± 0.500	44.200 43.200	43.7 angle	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



Dart Aerospace Ltd.
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Tel (613) 632-5200

PURCHASE ORDER PO042712



Supplier: ATG001-VC
A.T.G. Industries Inc
760 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

PO No: PO042712
PO Date: 2/26/19
Due Date: 3/15/19
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Tsimiklis, Chrisoula

Attention: Lalande, Marc-Andre

Via: Ground
Pymt Terms: Net 30

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Freight Terms:
Special Comments:

* REVISÉ *

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	190113	646.2910	Deflector (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG : Hard Anodize, Color Black / Prime As per Dwg 646.2900 Rev. N/C	Firmed	-	3/15/19	6 pcs	0 pcs	6 pcs	\$50.15/pcs	\$300.90
2	190994	647.3912	Breakaway Tip Wirestrike for Wire Strike Issue P/O to ATG : 1- Black Anodize as per Dwg 647.3900 2- PRIME AS PER DWG, SEE NOTE #9 Certification of Comformity is required	Firmed	-	3/15/19	2 pcs	0 pcs	2 pcs	\$13.60/pcs	\$27.20
	190364			Firmed	-	3/15/19	4 pcs	0 pcs	4 pcs	\$13.60/pcs	\$54.40
Sub Total:							6	0	6		\$81.60
3	189340	D4842-1	Lower Cutter Deflector Outsource process- Issue P/O to ATG : HARD ANODIZE COLOR BLACK, PRIME AS PER DWG D4842	Firmed	-	3/15/19	6 pcs	0 pcs	6 pcs	\$14.20/pcs	\$85.20



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PURCHASE ORDER

PO042712



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	189787	D4842-4	Lower Cutter Body, RH Outsource process- Anodize per QSI017 4.1.10.1 - Issue P/O to ATG :	Firmed	-	3/15/19	6 pcs	0 pcs	6 pcs	\$12.40/pcs	\$74.40
5	186504	D5572-1	Base Bracket, Lower, Cable Cutter, LH : Various STC's Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5572 Certification of Conformity is required.	Firmed	-	3/15/19	6 pcs	0 pcs	6 pcs	\$10.95/pcs	\$65.70
6	186505	D5572-2	Base Bracket, Lower, Cable Cutter, RH : Various STC's Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5572 Certification of Conformity is required.	Firmed	-	3/15/19	6 pcs	0 pcs	6 pcs	\$10.95/pcs	\$65.70



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PURCHASE ORDER PO042712



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7	190163	647.1710	Plate (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG: AS PER MPP-172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, PRIME AS PER IAW MIL-PRF-23377 TYPE 1 CLASS N Certification of Conformity is required	Firmed	-	3/15/19	11 pcs	0 pcs	11 pcs	\$32.40/pcs	\$356.40
Line Item Note asap											
8	189468	SWA6A-700	Wire Clamp (Outsource process-Anodize per QSI017 4.1.10.1) -Issue P/O to GROUPE ALTECH; PO -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Firmed	-	2/28/19	11 pcs	0 pcs	11 pcs	\$5.65/pcs	\$62.15



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PURCHASE ORDER PO042712



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
9	188810	RBW109-3130-82-103-7	Small Housing -Issue P/O; -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Received	-	2/28/19	4 pcs	4 pcs	0 pcs	\$8.15/pcs	\$0.00
10	188814	RBW109-3130-82-105-13	Handle -Issue P/O; -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Received	-	2/28/19	8 pcs	8 pcs	0 pcs	\$8.15/pcs	\$0.00

Grand Total: \$1,092.05

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 917403

Date: 08-Mar-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
6 ea	Part: 647.3912 Breakaway Tip Hard Black Anodize per MIL-A-8625F, Type III, Class 2 Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied) Job: 24700		Rev: C Line: 2
DAS 68 9-89			
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>MAR 08 2019</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			